30

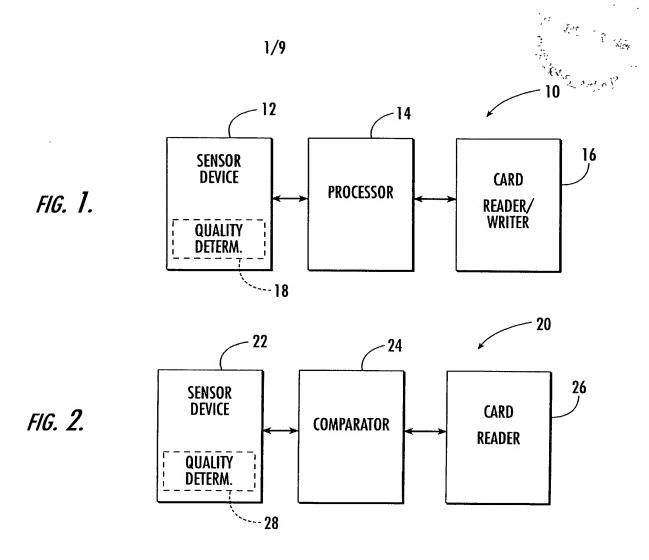


FIG. 3.

Table between adegy cation by adaptison. Then the constant symbols of the start of the constant of the symbols of the symbols

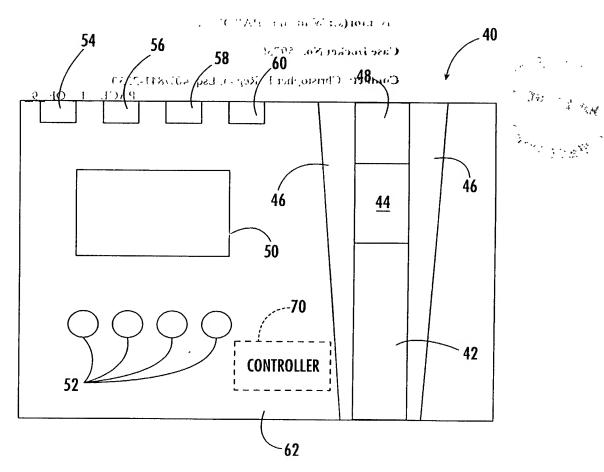
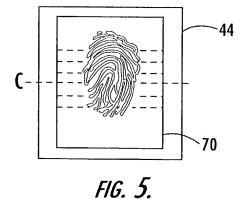
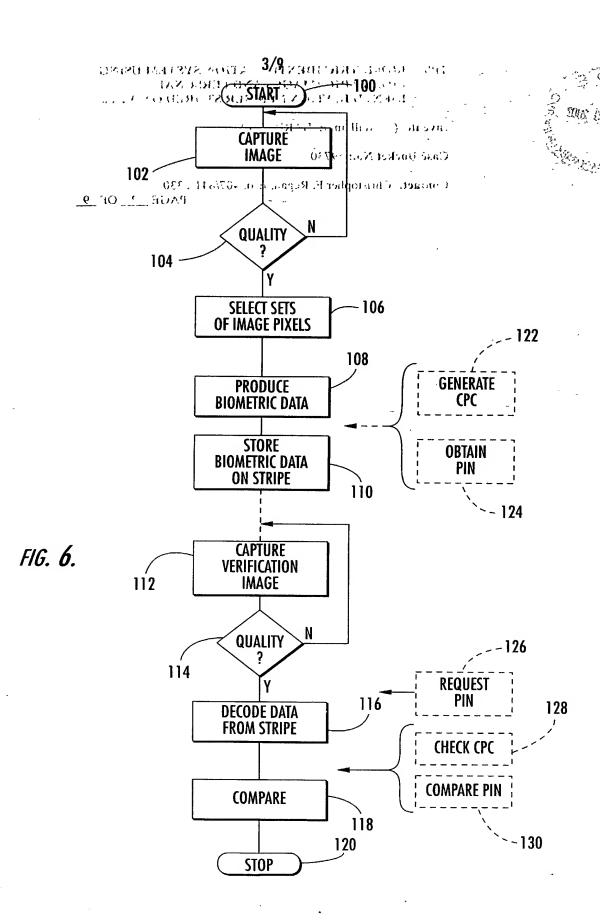


FIG. 4.





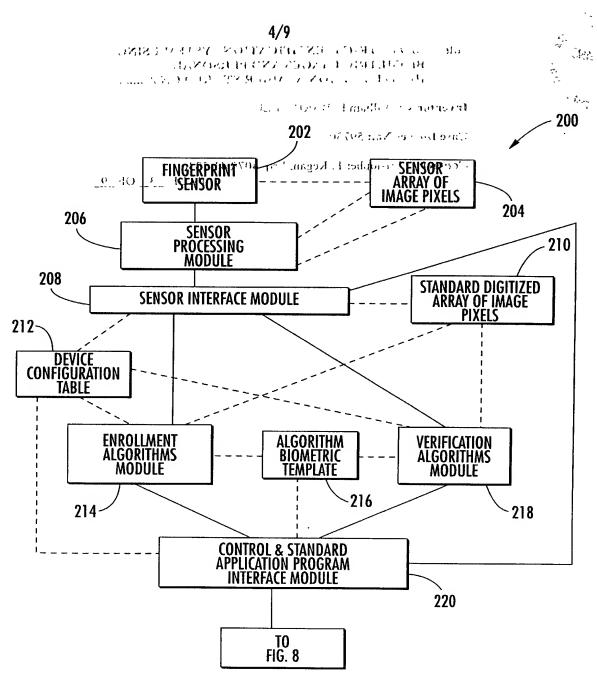


FIG. 7.

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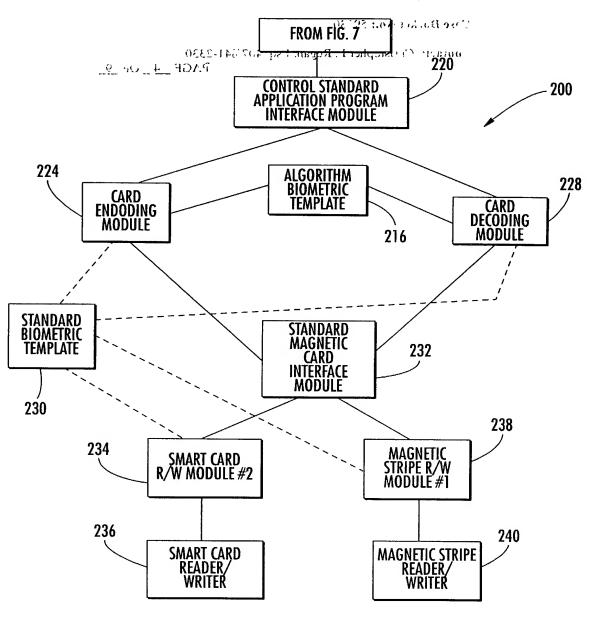


FIG. 8.

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DESCRIPTION	MODILLENAME	VALUE (ESTABLISHED"AT	COMMENTS
DESCRIPTION	MODULL MAINL	COMPILE TIME") :(2) 16.11	
DEVICE CONTROL CODE		NINE NUMERIC CHARACTERS LOC 2220-053	USED FOR PREVENTING THEF OF DEVICE ESTABLISHED AT COMPILE TIME
ENCODING APPROACH NUMBER	1.5q +07 341 24 P. 2.17 341 24		'SÉL'ECTED FROM THE ENCODING APPROACH TABLE ESTABLISHED AT COMPILE TIME
SENSOR PROCESSING MODULE	SENRXX	WHERE "XX" EQUALS "00" TO "99"	ESTABLISHED AT COMPILE TIME
ENROLLMENT/VERIFICATION ALGORITHM MODULE#	ENRLXX AND VERFXX	WHERE "XX" EQUALS "00"	DEFAULT ALGORITHM SELECTED BASED UPON THE "ENCODING APPROACH NUMBER" (SEE ABOVE)
ENROLLMENT/VERIFICATION ALGORITHM MODULE#	ENRLXX AND VERFXX	WHERE "XX" EQUALS "01" (IF "BLANK" NO ALTERNATIVE ALGORITHM EXISTS)	SECOND ALGORITHM
ENROLLMENT/VERIFICATION ALGORITHM MODULE#	ENRLXX AND VERFXX	WHERE "XX" EQUALS "02" TO "14" (IF "BLANK" NO ALTERNATIVE ALGORITHM EXISTS)	
ENROLLMENT/VERIFICATION ALGORITHM MODULE#	ENRLXX AND VERFXX	WHERE "XX" EQUALS "15" (IF "BLANK" NO ALTERNATIVE ALGORITHM EXISTS)	LAST ALGORITHM
CARD ENCODING/DECODING MODULE# (DEFAULT = "0")	ENCDXX AND DECDXX	WHERE "XX" EQUALS "00" THAT IS THE ENCODING APPROACH NUMBER	DEFAULT MODULE SELECTED BASED UPON THE "ENCODING APPROACH NUMBER" (SEE ABOVE)
CARD ENCODING/DECODING MODULE#	ENCDXX AND DECDXX	WHERE "XX" EQUALS "01" TO "14" (IF "BLANK" NO ALTERNATIVE MODULE EXISTS)	
CARD ENCODING/DECODING MODULE#	ENCDXX AND DECDXX	WHERE "XX" EQUALS "15" (IF "BLANK" NO ALTERNATIVE MODULE EXISTS)	LAST MODULE
CARD READER/WRITER MODULE# (DEFAULT="0")	CDRDXX AND CDWRXX	WHERE "XX" EQUALS "00" TO "99"	ESTABLISHED AT COMPILE TIME
COERCIVITY		FOUR NUMERIC CHARACTERS (DEFAULT= HIGH COERCIVITY)	COERCIVITY LEVEL OF MAGNETIC STRIPE WRITER
SENSOR BAUD RATE		SIX NUMERIC CHARACTERS WHERE "9600"bps IS THE DEFAULT	ESTABLISHED AT COMPILE TIME

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N. Etal C. B.I.S. Mark. (1905, St.S. L.), GEING ENCODING APPROACH TABLE

ENCODING APPROACH NUMBER (COL 1)	ENCODING MAGNETIC STRIPE TRACK	MAXIUM SIZE OF "BIOMETRIC TEMPLATE"	MAXIUM NUMBER OF CHARACTERS /TRACK	NO. OF BITS TRANSLATED AT A TIME? (COL 5)	TRANS-	(COL 7)	TRACK FORMAT
(602.1)	NÜMBËR (S) *** (COL ⁻ 2) **	(BITS) , (COL ₄ 3), q	. r (COU4) ···	het F. Regun,	વ ્લિટિક) મ	(), ((COL 8)
0	1	474	79	6	0	ANSI/ISO ALPHANUMERIC	ISO
1	1	395	79	5	1	ANSI/ISO ALPHANUMERIC	ISO
2	3	428	107	4	2	ANSI/ISO NUMERIC	120
3	1	492	82	6	0	ANSI/ISO ALPHANUMERIC	AAMVA
4	3	492	82	6	0	ANSI/ISO ALPHANUMERIC	AAMVA
5	1	410	82	5	1	ANSI/ISO ALPHANUMERIC	AAMVA
6	3	410	82	5	1	ANSI/ISO ALPHANUMERIC	AAMVA
7	1	510	86	6	0	ANSI/ISO ALPHANUMERIC	AAMVA*
8	3	510	86	6	0	ANSI/ISO ALPHANUMERIC	AAMVA*
9	1	425	86	5	1	ANSI/ISO ALPHANUMERIC	AAMVA*
10	3	425	86	5	1	ANSI/ISO ALPHANUMERIC	AAMVA*
11	1	595	- 86	N/A	N/A	CUSTOM **	CUSTOM **
12	2	595	86	N/A	N/A	CUSTOM **	CUSTOM ** 210 bpi
13	3	595	86	N/A	N/A	CUSTOM **	CUSTOM **
14	2	510	86	6	0	ANSI/ISO ALPHANUMERIC	NON- STANDARD 210 bpi
15	2	428	107	4	2	ANSI/ISO NUMERIC	NON- STANDARD 210 bpi

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STANDARD BIOMETRIC TEMPLATE

	(الربير راب الرب الرب الرب الرب الرب الرب الرب	<u>(€3)</u> 0 (₹3)	T/ 3
	FIELD	VALUE/SIZE	COMMENTS 企业
	AR CRAD PAGEZ_ OF _2	**************************************	RELATE TO THE ENROLLMENT/VERIFICATION ALGORITHM MODULE#, CARD ENCODING MODULE AND/OR ENCODING APPROACH
\	COPY PROTECT CODE	6 BITS (8BITS/BYTE)	SEVEN BIT LRC CHARACTER MINUS THE PARITY BIT. THE COPY PROTECT CODE IS ENBEDDED IN THE "YARDSTICK" DATA.
	"MINI-PIN"	"0" TO "999" - 10 BITS (8BITS/BYTE)	THE "MINI-PIN" IS EMBEDDED IN THE "YARDSTICK" DATA.
	ENROLL FINGER CODE	3 BITS (8BITS/BYTE)	WHERE: 0 - MIDDLE, RIGHT, 1 - INDEX, RIGHT 2 SING, RIGHT, 3 - MIDDLE, LEFT 4 - INDEX, LEFT, 5 - RING, LEFT 6 - OTHER FINGER
	RESERVE	1 BITS (8BITS/BYTE)	
	ALGORITHM BIOMETRIC TEMPLATE W/O HEADER		
	DATA - "YARDSTICKS"	72 BYTES (7BITS/BYTE)	THE LAST BYTE IN EACH OF THE YARDSTICKS IS NOT USED
	TRAILER	7 BITS (8BITS/BYTE)	- 4 BITS - EXTENDED PIN (0-9) - 3 BITS - ERROR BIT INCREMENT COUNTER ((0-7) SEE TABLE BELOW)
		7 BITS (8BITS/BYTE)	- 6 BITS USED FOR YARDSTICK LOCATIONS - 1 BIT HARD TO ENROLL FLAG
	TOTAL	79 BYTES (7BITS/BYTE)	DOES NOT INCLUDE CONTROL CHARACTERS

FIG. 11.

ALGORITHM BIOMETRIC TEMPLATE

FIELD)	VALUE/SIZE	COMMENTS
HEAD	ER:	2 BYTE	HEX "01"
DATA	- "YARDSTICKS"	60 BYTES	THE LAST BYTE IN EACH OF THE YARDSTICKS IS NOT USED
TRAIL	ER	1 BYTE	- 4 BITS - EXTENDED PIN (0-9) - 3 BITS - ERROR BIT INCREMENT COUNTER ((0-7) SEE TABLE BELOW)
		1 BYTE	- 6 BITS USED FOR YARDSTICK LOCATIONS - 1 BIT HARD TO ENROLL FLAG
TOTA	L	64 BYTES (8 BITS/BYTE)	

FIG. 12.

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ERROR BIT RATE INCREMENT COUNTER TABLE

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- CANAL STATE OF THE STATE OF T				
NUMBER OF BITS THAT FAILED DURING VERIFY FOR THE YARDSTICKS PROCESSED (BASE ERROR BIT RATE + ERROR BIT INCREMENT COUNTER)	ERROR BIT INCREMENT COUNTER	State William F. it SRL v. 19730		
20 058	. (; d' 0 5;) .	TYPHEACERRER SITS INCREMENT COUNTER IF NO PIN IS USED		
21 40 8 BAN	1			
22	2	TYPICAL ERROR BITS INCREMENT COUNTER IF PIN IS USED		
23	3	TYPICAL ERROR BITS INCREMENT COUNTER IF EXT PIN IS USED		
24	4			
25	5			
26	6			
27	7			

FIG. 13.

210 STANDARD DIGITIZED ARRAY OF IMAGE PIXELS

FFFFFFF		DDDDDDDD	BBBBBBBB
	GGGGGGG		
EEEEEEEE		cccccc	AAAAAAA

WHERE:

- "AAAAAAA" ARE THE GRAY SCALE FOR COLUMN 0, ROW 0, THE BOTTOM RIGHT CORNER OF THE IMAGE
 "BBBBBBB" ARE THE GRAY SCALE FOR COLUMN 0, ROW 255, THE TOP RIGHT CORNER OF THE IMAGE
 "CCCCCCCC" ARE THE GRAY SCALE FOR COLUMN 1, ROW 0
 "DDDDDDDD" ARE THE GRAY SCALE FOR COLUMN 1, ROW 255
 "EEEEEEEE" ARE THE GRAY SCALE FOR COLUMN 255, ROW 0, THE BOTTOM LEFT CORNER OF THE IMAGE
 "FFFFFFFF" ARE THE GRAY SCALE FOR COLUMN 255, ROW 255, THE TOP LEFT CORNER OF THE IMAGE
 "GGGGGGGG" ARE THE GRAY SCALE FOR COLUMN 128, ROW 128, WHICH SHOULD

- "GGGGGGGG" ARE THE GRAY SCALE FOR COLUMN 128, ROW 128 WHICH SHOULD APPROXIMATE THE CENTER OF THE SENSOR FINGERPRINT IMAGE 8 BITS/"CELL" WHERE "00000000" IS "NO RIDGE" ON A GRAY SCALE 8 BITS/"CELL" WHERE "00000001" TO "11111111" IS "RIDGE" ON A GRAY SCALE DEPENDING UPON THE SENSOR NUMBER